

**Exercise 1** A landscaping company charges \$45 per cubic yard of mulch plus a delivery charge of \$20.

- (a) A linear function which computes the total cost  $C$  (in dollars) to deliver  $x$  cubic yards of mulch is given by  $y = \boxed{45x + 20}$ .
  - (b) According to the linear function above, 20 cubic yards of mulch costs \$ $\boxed{920}$ .
  - (c) According to the linear function above, \$560 will buy you  $\boxed{12}$  cubic yards of mulch.
-